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(FILE 'HOME' ENTERED AT 08:24:32 ON 02 JUN 2004)

FILE 'BIOSIS, MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 08:26:39 ON
02 JUN 2004

L1 365243 S MASS SPECTROME?
L2 19782 S L1 AND RELEASE
L3 0 S L2 AND POSITIV? (3A) ION?
L4 9052 S L2 AND CLEAV?
L5 8202 S L4 AND POSITI?
L6 541 S L5 AND POSITIV? (4A) ION?
L7 43 S L6 AND PY<=1996
L8 43 DUP REM L7 (0 DUPLICATES REMOVED)
L9 22 S L8 AND AMINE?
L10 0 S L9 AND FUNCTIONAL ROUP
L11 9 S L9 AND FUNCTIONAL GROUP

=> s l9 not l11

L12 13 L9 NOT L11

=> s l12 and tertiary amine

L13 0 L12 AND TERTIARY AMINE

=> s l12 and quaternary amine

L14 0 L12 AND QUATERNARY AMINE

=>

10/000,467

=> d 111 bib abs 1-9

L11 ANSWER 1 OF 9 USPATFULL on STN
AN 2003:6829 USPATFULL
TI Complex combinatorial chemical libraries encoded with tags
IN Still, W. Clark, Clinton, NY, United States
Ohlmeyer, Michael H. J., Plainsboro, NJ, United States
Dillard, Lawrence W., Plainsboro, NJ, United States
Reader, John C., Princeton, NJ, United States
Wigler, Michael H., Lloyd Harbor, NY, United States
PA The Trustees of Columbia University in the City of New York, New York,
NY, United States (U.S. corporation)
Cold Spring Harbor Laboratory, New York, NY, United States (U.S.
corporation)
PI US 6503759 B1 20030107
WO 9528640 19951026 <--
AI US 1997-722014 19970207 (8)
WO 1995-US4683 19950413
RLI Continuation-in-part of Ser. No. US 1994-227007, filed on 13 Apr 1994,
now patented, Pat. No. US 5565324 Continuation-in-part of Ser. No. US
1993-159861, filed on 30 Sep 1993, now abandoned Continuation-in-part of
Ser. No. US 1993-130271, filed on 1 Oct 1993, now abandoned
Continuation-in-part of Ser. No. US 1993-13948, filed on 4 Feb 1993, now
abandoned Continuation-in-part of Ser. No. US 1992-955371, filed on 1
Oct 1992, now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Ponnaluri, Padmashri
LREP White, John P., Cooper & Dunham LLP
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 2924
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Encoded combinatorial chemistry is provided, where sequential synthetic
schemes are recorded using organic molecules, which define choice of
reactant, and stage, as the same or different bit of information.
Various products can be produced in the multi-stage synthesis, such as
oligomers and synthetic non-repetitive organic molecules. Conveniently,
nested families of compounds can be employed as identifiers, where
number and/or **position** of a substituent define the choice.
Alternatively, detectable functionalities may be employed, such as
radioisotopes, fluorescers, halogens, and the like, where presence and
ratios of two different groups can be used to define stage or choice.
Particularly, pluralities of identifiers may be used to provide a binary
or higher code, so as to define a plurality of choices with only a few
detachable tags. The particles may be screened for a characteristic of
interest, particularly binding affinity, where the products may be
detached from the particle or retained on the particle. The reaction
history of the particles which are **positive** for the
characteristic can be determined by the **release** of the tags
and analysis to define the reaction history of the particle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 2 OF 9 USPATFULL on STN
AN 2000:12671 USPATFULL
TI Systems for surface-enhanced affinity capture for desorption and
detection of analytes
IN Hutchens, T. William, Davis, CA, United States
Yip, Tai-Tung, Davis, CA, United States
PA Baylor College of Medicine, Houston, TX, United States (U.S.
corporation)

PI US 6020208 20000201
WO 9428418 19941208 <--
AI US 1995-556951 19951127 (8)
WO 1994-US6064 19940527
19951127 PCT 371 date
19951127 PCT 102(e) date
DT Utility
FS Granted
EXNAM Primary Examiner: Alexander, Lyle A.
LREP Fulbright & Jaworski L.L.P.
CLMN Number of Claims: 54
ECL Exemplary Claim: 38
DRWN 44 Drawing Figure(s); 42 Drawing Page(s)
LN.CNT 2559
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention is directed to systems containing probes for presenting an analyte to an energy source for desorption in methods of analytic detection, such as **mass spectrometry**. The probes have an immobilized affinity reagent which binds the analyte on their presenting surface.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 3 OF 9 USPATFULL on STN
AN 1998:72401 USPATFULL
TI Tag reagent and assay method
IN Southern, Edwin, Oxford, United Kingdom
Cummins, William Jonathan, Tring, United Kingdom
PA Oxford Gene Technology Limited, United Kingdom (non-U.S. corporation)
PI US 5770367 19980623
WO 9504160 19950209 <--
AI US 1996-586875 19960205 (8)
WO 1994-GB1675 19940801
19960205 PCT 371 date
19960205 PCT 102(e) date
PRAI GB 1993-15847 19930730
DT Utility
FS Granted
EXNAM Primary Examiner: Marschel, Ardin H.; Assistant Examiner: Riley, Jezia
LREP Wenderoth, Lind & Ponack
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN 6 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 1508
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A reagent comprises: a) an analyte moiety comprising at least two analyte residues, and linked to; b) a tag moiety comprising one or more reporter groups adapted for detection by **mass spectrometry**, wherein a reporter group designates analyte residue, and the reporter group at each **position** of the tag moiety is chosen to designate an analyte residue at a defined **position** of the analyte moiety. A plurality of such reagents, each comprising a different analyte moiety, provides a library of reagents which may be used in assay methods involving a target substance. Analysis of the tag moieties indicates the nature of the analyte moieties bound to the target substance. A method of sequencing nucleic acid employs a library of the reagents to determine the sequence of a target nucleic acid.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 4 OF 9 USPATFULL on STN
AN 96:94455 USPATFULL
TI Complex combinatorial chemical libraries encoded with tags

IN Still, W. Clark, Clinton, NY, United States
Wigler, Michael H., Lloyd Harbor, NY, United States
Ohlmeyer, Michael H. J., Plainsboro, NJ, United States
Dillard, Lawrence W., Plainsboro, NJ, United States
Reader, John C., Princeton, NJ, United States
PA The Trustees of Columbia University in the City of New York, New York,
NY, United States (U.S. corporation)
Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, United States
(U.S. corporation)
PI US 5565324 19961015 <--
AI US 1994-227007 19940413 (8)
RLI Continuation-in-part of Ser. No. US 1993-159861, filed on 30 Nov 1993
which is a continuation-in-part of Ser. No. US 1993-130271, filed on 1
Oct 1993 which is a continuation-in-part of Ser. No. US 1993-13948,
filed on 4 Feb 1993, now abandoned which is a continuation-in-part of
Ser. No. US 1992-955371, filed on 1 Oct 1992, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Green, Lora M.
LREP White, John P.
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN 4 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 2921
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Encoded combinatorial chemistry is provided, where sequential synthetic
schemes are recorded using organic molecules, which define choice of
reactant, and stage, as the same or different bit of information.
Various products can be produced in the multi-stage synthesis, such as
oligomers and synthetic non-repetitive organic molecules. Conveniently,
nested families of compounds can be employed as identifiers, where
number and/or **position** of a substituent define the choice.
Alternatively, detectable functionalities may be employed, such as
radioisotopes, fluorescers, halogens, and the like, where presence and
ratios of two different groups can be used to define stage or choice.
Particularly, pluralities of identifiers may be used to provide a binary
or higher code, so as to define a plurality of choices with only a few
detachable tags. The particles may be screened for a characteristic of
interest, particularly binding affinity, where the products may be
detached from the particle or retained on the particle. The reaction
history of the particles which are **positive** for the
characteristic can be determined by the **release** of the tags
and analysis to define the reaction history of the particle.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 5 OF 9 USPATFULL on STN
AN 96:41367 USPATFULL
TI **Release** tag compounds producing ketone signal groups
IN Giese, Roger W., Quincy, MA, United States
Abdel-Baky, Samy, Cary, NC, United States
Xu, Linxiao, Cambridge, MA, United States
PA Northeastern University, Boston, MA, United States (U.S. corporation)
PI US 5516931 19960514 <--
AI US 1993-53608 19930422 (8)
RLI Continuation-in-part of Ser. No. US 1985-710318, filed on 11 Mar 1985,
now patented, Pat. No. US 5360819 which is a continuation-in-part of
Ser. No. US 1982-344394, filed on 1 Feb 1982, now patented, Pat. No. US
4709016
DT Utility
FS Granted
EXNAM Primary Examiner: Killos, Paul J.
LREP Weingarten, Schurgin, Gagnebin & Hayes
CLMN Number of Claims: 13

ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1864

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A **release** tag reagent suitable for use in the chemical analysis of a substance to be detected comprises signal, **release**, and reactivity groups. A class of **release** tag compounds that are **cleaved** to **release** as signal groups very stable electrophoric ketones which are sufficiently volatile for determination in the gas phase of an analytical reaction mixture is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 6 OF 9 USPATFULL on STN

AN 95:66986 USPATFULL

TI Macrocyclic conjugates and their use as diagnostic and therapeutic agents

IN Cheng, Roberta C., Midland, MI, United States
Fordyce, William A., Midland, MI, United States
Goeckleler, William F., Midland, MI, United States
Krupe, Jr., William J., Sanford, MI, United States
Frank, Richard K., Lake Jackson, TX, United States
Garlich, Joseph R., Lake Jackson, TX, United States
Kiefer, Garry E., Richwood, TX, United States
McMillan, Kenneth, Richwood, TX, United States
Simon, Jaime, Angleton, TX, United States
Wilson, David A., Richwood, TX, United States
Braughman, Sharon, Irvine, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 5435990 19950725 <--

AI US 1992-962168 19921015 (7)

RLI Division of Ser. No. US 1989-370956, filed on 21 Jun 1989, now abandoned which is a continuation-in-part of Ser. No. US 1988-211496, filed on 24 Jun 1988, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Nucker, Christine M.; Assistant Examiner: Woodward, M. P.

LREP Kimble, Karen L.

CLMN Number of Claims: 40

ECL Exemplary Claim: 1

DRWN 34 Drawing Figure(s); 34 Drawing Page(s)

LN.CNT 3955

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A group of functionalized macrocyclic polyaminocarboxylate chelants that form complexes with rare earth-type metal ions are disclosed. The complexes, covalently attached to an antibody or antibody fragment, can be used for therapeutic and/or diagnostic purposes for cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 7 OF 9 USPATFULL on STN

AN 95:34281 USPATFULL

TI Isolated metallopolypeptide: compositions and synthetic methods

IN Ghadiri, M. Reza, Del Mar, CA, United States

PA The Scripps Research Institute, La Jolla, CA, United States (U.S. corporation)

PI US 5408036 19950418 <--

AI US 1993-164618 19931209 (8)

RLI Continuation of Ser. No. US 1991-769621, filed on 23 Sep 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-591988, filed on 2 Oct 1990, now patented, Pat. No. US 5200504

DT Utility

FS Granted

EXNAM Primary Examiner: Hill, Jr., Robert J.; Assistant Examiner: Davenport,
A. M.
LREP Welsh & Katz, Ltd.
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN 10 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 3120

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention contemplates an isolated metallopeptide comprising a polyvalent metal ion coordinately linked to 2 to about 8 polypeptide binding ligands, wherein at least 2 of said polypeptide binding ligands are covalently bonded to a linear amphiphilic peptide. The linear amphiphilic peptide has an alpha-helix, beta-sheet or beta-turn conformation. This invention further contemplates a metal ion-assisted, self-assembly method for producing a metallopeptide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 8 OF 9 USPATFULL on STN

AN 94:102249 USPATFULL

TI Compounds which inhibit complement and/or suppress immune activity

IN Sindelar, Robert D., Oxford, MS, United States
Bradbury, Barton J., West Chester, OH, United States
Kaufman, Teodoro S., Rosario, Argentina
Ip, Stephen H., Sudbury, MA, United States
Marsh, Jr., Henry C., Reading, MA, United States
Lee, Chew, Oxford, MS, United States

PA T Cell Sciences, Inc., Cambridge, MA, United States (U.S. corporation)
The University of Mississippi, University, MS, United States (U.S. corporation)

PI US 5366986 19941122 <--

AI US 1990-623849 19901206 (7)

RLI Continuation-in-part of Ser. No. US 1988-182275, filed on 15 Apr 1988, now patented, Pat. No. US 5173499

DT Utility

FS Granted

EXNAM Primary Examiner: Ivy, C. Warren; Assistant Examiner: Owens, A. A.

LREP Pennie & Edmonds

CLMN Number of Claims: 30

ECL Exemplary Claim: 1

DRWN 8 Drawing Figure(s); 8 Drawing Page(s)

LN.CNT 3211

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to compounds which suppress immune responses and/or selectively inhibit complement. These compounds contain an aromatic ring and are substituted dihydrobenzofurans, spirobenzofuran-2(3H)-cycloalkanes, and their open chain intermediates. The compounds of the present invention, and the pharmaceutically acceptable salts thereof, interrupt the proteolytic processing of C5 to bioactive components, exhibit immunosuppressive activities, and have therapeutic utility in the amelioration of disease and disorders mediated by complement and/or immune activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 9 OF 9 USPATFULL on STN

AN 93:44201 USPATFULL

TI Peptides useful in regulating the immune and nervous systems

IN Goldstein, Gideon, Short Hills, NJ, United States
Audhya, Tapan, Bridgewater, NJ, United States
Heavner, George, Flemington, NJ, United States
Anwer, Mohmed K., Flemington, NJ, United States

PA Immunobiology Research Institute, Inc., Annandale, NJ, United States (U.S. corporation)

PI US 5215964 19930601 <--
AI US 1991-708035 19910603 (7)
DT Utility
FS Granted
EXNAM Primary Examiner: Lee, Lester L.; Assistant Examiner: Celsa, Bennett M.
LREP Howson and Howson
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1117

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Pentapeptides are disclosed which are capable of regulating the function of cells of the mammalian immune and/or nervous system. Also provided are pharmaceutical compositions containing the peptides and methods of use thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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